polysiloxane resin coating on a coating of the primer composition.

More particularly, the inventors studied primer compositions for improving the adhesion and weather resistance of organopolysiloxane base coatings which are formed on molded parts of thermoplastic resins, typically polycarbonate. The use of the above-described vinyl copolymer (A) as one component of the primer has the following advantages. Since UV-absorbing groups are attached to the polymer backbone through chemical bonds and do not migrate to the surface, a whitening phenomenon of outer appearance and a loss of adhesion are eliminated. Since the copolymer is not dissolved in water and solvents, the amount of the copolymer is kept unchanged from the initial charge over a long period, eliminating a lowering of the UV-absorbing effect over time. The UV absorber does not volatilize off the coating even in heat-curing treatment at elevated temperature. Since the copolymer constructed as above is fully compatible with other components of the primer, it can be added in large amounts without adversely affecting the adhesion of the primer coating to the substrate and the overlying protective coating and the transparency thereof.

Since the vinyl copolymer has alkoxysilyl groups introduced therein due to the use of an alkoxysilyl group-containing vinyl monomer, the primer coating layer is endowed with a reactivity with the overlying organopolysiloxane base protective coating layer and enhanced in adhesion. Additionally, the crosslinking between alkoxysilyl groups contributes to improved heat resistance and durability.

It has also been found that when a compound containing a nitrogen atom and an alkoxysilyl group in a molecule is used as the curing agent (B) capable of reacting with the vinyl copolymer (A), the primer coating layer is endowed with water-resistant good adhesion. This compound crosslinks with alkoxysilyl groups in the vinyl copolymer (A), whereby the

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